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(Not for submission under 37 CFR 1.99)	į

Application Number		10524508
Filing Date		2003-08-13
First Named Inventor	Georg	ges Belfort
Art Unit		1797
Examiner Name	Josep	oh W. Drodge
Attorney Docket Numb	er	18001/5044

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	4	5256437		1993-10-26	Degen et al.			
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	2		/OUSEF et al., "Model of Osmotic Pressure for High Concentrated Binary Protein Solutions," AIChE Journal 48 4):913-917 (2002) (abstract only)								
	3	BOWEN et al., "Dynami Bioengineering 50(2):12					Colloi	dal Interaction Approach	," Biotechnology and		

BOWEN et al., "Use and Elucidation of Biochemical Data in the Prediction of the Membrane Separation of Biocolloids," Proc. Royal Society of London, Series A: Mathematical, Physical and Engineering Sciences 455(1988):2933-2955

4 Proc. R (1999)

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5	MEYER et al., 'Analysis and Simulation of Complex Interactions During Dynamic Microfiltration of Escherichia coli Suspensions,' Biotechnology and Bioengineering 59(2):189-202 (1998)	
6	BOYD et al., "Analysis of Protein Fouling During Ultrafiltration Using a Two-Layer Membrane Model," Biotechnology and Bioengineering 59(4):451-460 (1998) (abstract only)	
7	RUIZ-BEVIA et al., "An Improved Model with Time-Dependent Adsorption for Simulating Protein Ultrafiltration," Chemical Engineering Science 52(14):2343-2352 (1997) (abstract only)	
8	DRIOLI et al., "Ultrafiltration of Protein Solutions and Dynamic Formation of Enzymic Membranes," Chimica e l'Industria (Milan, Italy): 58(3):168-172 (1976) (abstract only)	
9	NAKAMURA et al., "A Mathematical Model of Internal Fouling in Protein Microfiltration," J. Chemical Engineering of Japan 31(4):536-544 (1998) (abstract only)	
10	SUKI et al., "Modeling Fouling Mechanisms in Protein Ultrafiltration," J. Membrane Science 27(2):181-193 (1986) (abstract only)	
11	AIMAR et al., "Concentration Polarization Buildup in Hollow Fibers: A Method of Measurement and Its Modeling in Ultrafiltration," J. Membrane Science 59(1):81-99 (1991) (abstract only)	
12	TANDON et al., "Modeling of Protein Transmission Through Ultrafiltration Membranes," J. Membrane Science 97:83-90 (1994) (abstract only)	
13	KELLY et al., "Mechanisms for BSA Fouling During Microfiltration," Journal of Membrane Science 107(1-2):115-127 (1995) (abstract only)	
14	BHATTACHARJEE et al., "A Unified Model for Flux Prediction During Batch Cell Ultrafiltration," J. Membrane Science 111(2):243-258 (1996) (abstract only)	
15	PRADANOS et al., "Mechanisms of Protein Fouling in Cross-Flow UF Through an Asymmetric Inorganic Membrane," J. Membrane Science 114(1):115-126 (1996) (abstract only)	

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	16	MIGNARD et al., "Fouling During the Cross-Flow Ultrafiltration of Proteins: A Mass-Transfer Model," J. Membrane Science 186(1):133-143 (2001) (abstract only)							
	HO et al., "Transmembrane Pressure Profiles During Constant Flux Microfiltration of Bovine Serum Albumin," J. Membrane Science 209(2):363-377 (2002) (abstract only)								
	18	HOWELL et al., "Protein Ultrafiltration: Theory of Membrane Fouling and its Treatment with Immobilized Proteases," Polymer Science and Technology (Plenum) 13(Ultrafilt. Membr. Appl.):217-229 (1980) (abstract only)							
	HOWELL et al., "Ultrafiliration of Protein Solutions: A Theoretical Model," Symposium Papers, Institution of Chemical Engineers, North Western Branch (4, Membr. Processes) 5.1-5.9 (1980) (abstract only)								
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